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WHAT IS CLAIMED IS:

	1.	A cable modem tuner comprising an upstream circuit for
transn	nittii	ng a data signal to a CATV (cable television) station, wherein
	sai	d upstream circuit includes

a gain controllable gain control circuit receiving said data signal,

a power amplifying circuit power-amplifying the data signal having gain controlled by said gain control circuit, and

a control circuit for controlling transmission/interruption of said data signal.

2. A cable modem tuner comprising a receiving unit for receiving a down signal from a CATV (cable television) station, wherein

said receiving unit includes

an up converter for converting said down signal to a first intermediate frequency signal of lower frequency,

a filter for selecting the first intermediate frequency signal output from said up converter, and

a down converter converting the first intermediate frequency signal selected by said filter to a second intermediate frequency signal of lower frequency for output.

3. The cable modem tuner according to claim 2, wherein said up converter includes

a broadband high frequency amplifying circuit having a reception frequency band, for amplifying said down signal,

a gain variable broadband variable gain amplifying circuit receiving the down signal from said broad band high frequency amplifying circuit,

a local oscillation circuit outputting a local oscillation signal having higher frequency than said down signal, and

a mixer circuit mixing the down signal output from said broadband variable gain amplifying circuit with the local oscillation signal output from said local oscillation circuit.

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- 4. The cable modem tuner according to claim 2, wherein said down converter includes a first intermediate frequency amplifying circuit amplifying the first intermediate frequency signal selected by said filter,
- a local oscillation circuit outputting a local oscillation signal having lower frequency than said first intermediate frequency signal,

a mixer circuit mixing the first intermediate frequency signal output from said first intermediate frequency amplifying circuit with the local oscillation signal output from said local oscillation circuit and outputting a second intermediate frequency signal,

a second intermediate frequency amplifying circuit amplifying the second intermediate frequency signal output from said mixer circuit, and

a filter for selecting said second intermediate frequency signal output from said second intermediate frequency amplifying circuit.

- 5. The cable modem tuner according to claim 4, further comprising a gain variable intermediate frequency gain amplifying circuit receiving the second intermediate frequency signal from said second intermediate frequency amplifying circuit.
- 6. The cable modem tuner according to claim 2, wherein said filter includes a bandpass filter formed of an oscillation circuit including a strip line, a print coil or an air core coil.
- 7. A cable modem tuner including an upstream circuit for transmitting a data signal to a CATV (Cable Television) station and a receiving unit for receiving a down signal from said CATV station, comprising:
- a duplexer for branching the data signal to said CATV station and the down signal from said CATV station;
- a return pass circuit outputting said data signal to said duplexer; and
 - a receiving unit receiving the down signal branched by said

10 duplexer.